

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

SSIP Overview

Page Last Modified: 09/16/2017

1. Please enter the name of the person to contact regarding this submission.

Shari L. Brannock

- 1a. Please enter their phone number for follow up questions.

518-597-4200

- 1b. Please enter their e-mail address for follow up contact.

brannock@cpcsteam.org

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved Smart Schools Investment Plan.

First submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

☒ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.

By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ Parents
☒ Teachers
☒ Students
☒ Community members

- 4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

☐ Yes
☐ No
☒ N/A

5. Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
☒ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
☒ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
☒ The district prepared a final plan for school board approval and such plan has been approved by the school board.
☒ The final proposed plan that has been submitted has been posted on the district's website.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

SSIP Overview

Page Last Modified: 09/16/2017

- 5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

Smart Schools Plan.pptx

Smart Schools Goal Instructional Plan numbers Final PDF.pdf

Smart Schools Updated Cost Estimates 9-16-17.pdf

- 5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

crowpointpanthers.com

6. Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.

360

7. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.

☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

10. Your district's Smart Schools Bond Act Allocation is:

\$410,485

11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is \$0, you will not be required to complete that survey question.

	Sub-Allocations
School Connectivity	315,937
Connectivity Projects for Communities	0
Classroom Technology	94,548
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	410,485

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

School Connectivity

Page Last Modified: 09/16/2017

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:
- sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
 - is a planned use of a portion of Smart Schools Bond Act funds, or
 - is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Our entire school building currently meets or exceeds the minimum speed standard of 100 Mbps per 1000 students.

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	290	29,000	29	100	100	01/01/17

3. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.

The Crown Point Central School locally funded a WiFi installation 2 years ago. We plan to use some Smart Schools funding to install additional Access Points that will increase bandwidth to support our additional devices. Also, we would install 3 External Access Points to support WiFi use for our students, staff and community members. This will allow WiFi use for classes that meet outdoors, sporting events and community/extracurricular activities.

The Crown Point Central School plans to Replace/Upgrade Existing Ethernet in classrooms, including necessary terminations of Network Cabling. Our current system is working and we would like to simply upgrade the cabling. Ours is 19 years old and we would like to plan for future use.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

School Connectivity

Page Last Modified: 09/16/2017

4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?")

There is a direct linkage between the expansion of WiFi Access Points and the District's Instructional Technology Plan. In order to add devices to our current bandwidth and increase the use of Technology in the classroom, we need to complete the proposed connectivity expansion. Improving Teaching and learning and meeting the following goals is the linkage between the Plan and the project:

- establish computer technology concerns as an agenda item for every active curriculum committee
- establish goals and objectives for training in computer technology use
- make computer technology a transparent and effective tool in every classroom
- supply software and hardware appropriate for all curricular areas.
- create a multi-purpose Teaching Tech Lab

5. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

As previously stated, we have a WiFi network in place. Adding devices will require an expansion of Access Points for future use in order to ensure that it is robust and has sufficient bandwidth to meet user demand. We have an established system that is working now but will not be able to handle planned future use.

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
15-02-03-04-0-001-014
15-02-03-04-0-001-BA1

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☒ I certify that I have reviewed all installations with a licensed architect or engineer of record.

8. Include the name and license number of the architect or engineer of record.

Name	License Number
David Whitford, AES Northeast	19773

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

School Connectivity

Page Last Modified: 09/16/2017

9. If you are submitting an allocation for School Connectivity complete this table.

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	315,937
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	315,937

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.
NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.
 Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	VOIP/WAP pathways	200	781	156,250
Connections/Components	A/V pathways and power wiring	50	250	12,500
Connections/Components	State Contract VOIP/Security Equipment	50	770	38,478
Professional Services	State Contract BridgePoint WAP Equipment	1	7,500	7,500
Connections/Components	State Contract A/V Corp Equipment	5	10,340	51,700

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Community Connectivity (Broadband and Wireless)

Page Last Modified: 09/16/2017

1. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.

N/A

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

N/A

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

☐ I certify that we will comply with all the necessary local building codes and regulations.

4. Please describe the physical location of the proposed investment.

N/A

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

6. If you are submitting an allocation for Community Connectivity, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	0

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18Community Connectivity (Broadband and Wireless)

Page Last Modified: 09/16/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Classroom Learning Technology

Page Last Modified: 09/16/2017

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source. Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

The Crown Point Central School is served by Fiber Optic cable that already allows us to meet or exceed the minimum speed standard of 100 Mbps per 1,000 students.

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	281	28,100	28.1	100	100	010117

3. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

The Crown Point Central School locally funded WiFi Access 2 years ago. We have 18 Access Points that allow our entire building to be WiFi accessible. Introducing more devices to our system in the amount available to us through Smart Schools purchases will require that we had several more Access Points and supporting hardware to maintain our robust network and provide sufficient bandwidth. Our current system is working just fine but will need expansion to support more devices as planned.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Classroom Learning Technology

Page Last Modified: 09/16/2017

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.

Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

☒ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

5. Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.

CPCS will replace all Desktop Computers older than 5 years. \$25,000. We will also purchase more iPads for Elementary Classrooms and Chromebooks for grades 7-12. We have budgeted locally and have approx 40 iPads and 50 Chromebooks now. We have mobile carts for classroom use. The new devices will allow more classrooms access to the tablets at the same time. In addition, We will have over 60 percent of our Elementary students and over 80 percent of our grades 7-12 students will access to a device after our purchases. Will will purchase interactive smart TV's and whiteboards as well. Our Board has been committed to expenditures above the State Aided Hardware and Software amounts so we know that our devices will be compatible and expand our current system. We also sustain our platforms with this multi-year budgeting approach we have practiced.

6. Describe how the proposed technology purchases will:
- > enhance differentiated instruction;
 - > expand student learning inside and outside the classroom;
 - > benefit students with disabilities and English language learners; and
 - > contribute to the reduction of other learning gaps that have been identified within the district.

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?")

Increased Technology allows for differentiated instruction. The number of devices and systems they run on certainly make expanded opportunities for student learning inside and outside the classroom. More access in our Library and after hours will assist in this cause.

CPCS always ensures that students with disabilities have equitable access to instruction, materials and assessments. Funding for specialized professional development for teachers and IT staff in order to make full use of available assistive technologies or funding for a comprehensive assistive technology needs assessment, on an individual basis, for all students identified as disabled. All students, including all students with disabilities, have access to assistive technology as needed. All students, including students with disabilities, and ELL participate in a general setting with general curriculum. Modifications of curriculum are made for students with disabilities as stated in their IEP. ELL services are provided as needed as well. We currently have 1 student taking the NYSSLAT and making great progress. We employ a Senior Technician from NERIC who purchases and maintains all apps and software. Teachers are authorized to request apps for install on iPads. Software packages are content related and requisitioned by staff for our chromebooks and desktops. We use iReady schoolwide as well as others. All class activities are implemented using an integration of technology focus.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Classroom Learning Technology

Page Last Modified: 09/16/2017

7. Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.

The proposed purchases by CPCS will enhance ongoing communication with parents and other stakeholder in a variety of ways. Our poverty level is very high at 54%. With more access and more devices, we can expand the use of our technology to students and their families. In addition, we will be able to facilitate technology based partnerships with neighboring schools and our BOCES to include expanded curriculum offerings and distance learning.

8. Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.

Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

CPCS will be responsible for Professional Development (PD) that will be a top priority for the success of all learners. PD must be integrated within all content areas and grade levels. Also, PD must be ongoing due to the simultaneous learning of how to use technology, the integration of technology in instruction, and the continual emergence of new and improved technologies and practices. PD must be differentiated to address the needs, aptitudes, and styles of adult learners. All staff members will be held accountable for professional learning within a PD structure that engages, encourages, and empowers all learners.

Purpose:

The purpose of professional development is to ensure the success of the integration of technology in teaching and learning. Technology's value is not merely in its inherent capabilities but in its impact, when applied appropriately, on teaching and learning. Also, the integration of technology helps to close the digital, generational, and cultural divides often evident between teachers and students. Closing this divide will enhance delivery and affirmation of the curriculum. Also, collaboration amongst colleagues in an ongoing PD structure inspires innovation, collaboration and collegiality. CPCS calendar includes professional development 4 full days per school year. Also, we have at least 5 early dismissal days when professional development is carried out. This year, our first day of school will be a staff day with a full day of work with a consultant, Sean Brady of Prism Decisions Systems, to work on our Smart Schools Technology vision and goals with the entire teaching staff, community members, CVES Tech support, parents and others. Topics will include those required by the Instructional Technology Plan and the Smart Schools Initiative. Our professional development activities include CVES presenters, and staff on-site. In addition, CPCS had elected to participate in CVES programs that include a part-time curriculum instructor and a NERIC Tech Integration Specialist.

Topics included in training opportunities include: SmartTable Training, AquesBoard Training, Poverty with CVES presenters on Eric Jensen's work, WinCapweb, Career Connect, ELL, Instructional Services Technology Training; and various other local trainings on-site throughout each school year.

9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

☒ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

- 9a. Please enter the name of the SUNY or CUNY Institution that you contacted.

SUNY Plattsburgh

- 9b. Enter the primary Institution phone number.

518-564-2128

- 9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

Brittany Trybendis

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Classroom Learning Technology

Page Last Modified: 09/16/2017

10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

- ☐ Yes
☒ No

11. Nonpublic Classroom Technology Loan Calculator

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

12. To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.

☒ By checking this box, you certify that the district has a sustainability plan as described above.

13. Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.

☒ By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

14. If you are submitting an allocation for Classroom Learning Technology complete this table.
 Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Classroom Learning Technology

Page Last Modified: 09/16/2017

	Sub-Allocation
Interactive Whiteboards	20,000
Computer Servers	(No Response)
Desktop Computers	25,000
Laptop Computers	2,500
Tablet Computers	25,000
Other Costs	22,048
Totals:	94,548

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should **ONLY** be included in this category, not under School Connectivity, where public school districts would list them.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	whiteboards /smart tv's	10	2,000	20,000
Desktop Computers	desktops older than 5 years	29	862	25,000
Laptop Computers	laptops	5	500	2,500
Tablet Computers	ipads and chromebooks	100	250	25,000

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Pre-Kindergarten Classrooms

Page Last Modified: 09/16/2017

1. Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.

(No Response)

2. Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:

- Specific descriptions of what the district intends to do to each space;
- An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
- The number of classrooms involved;
- The approximate construction costs per classroom; and
- Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

(No Response)

3. Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.

(No Response)

4. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

5. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	0

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.
Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18**Pre-Kindergarten Classrooms**

Page Last Modified: 09/16/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

Replace Transportable Classrooms

Page Last Modified: 09/16/2017

1. Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.

If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

(No Response)

4. If you have made an allocation for Replace Transportable Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	0

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

* Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18

High-Tech Security Features

Page Last Modified: 09/16/2017

1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.

CPCS used locally budgeted funds to install a new security system 2 years ago. We have new automated access doors and a new security camera system. We plan to install an Emergency Communication System VOIP Phone System with Classroom Alerts in all classrooms and office spaces. We currently have an antiquated intercom system that cannot communicate between rooms or to the outside in case of emergencies. Parents and Community Members are not able to access this current communication system. This priority is a serious safety concern. costs are included in the School Connectivity section.

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number

(No Response)

3. Was your project deemed eligible for streamlined Review?

☒ Yes

☐ No

- 3a. Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☐ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

4. Include the name and license number of the architect or engineer of record.

Name

License Number

(No Response)

(No Response)

5. If you have made an allocation for High-Tech Security Features, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	0
	0

Smart Schools Investment Plan - 2016-17 Version (Original) - Smart School Bond Act 17-18**High-Tech Security Features**

Page Last Modified: 09/16/2017

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

UPDATED COSTS 9/17

CROWN POINT CENTRAL SCHOOL
SMART SCHOOLS BOND ACT - VOIP / PA AND WIRELESS ACCESS

AES NORTHEAST, PLLC

4/11/2017

PRELIMINARY ESTIMATE^{1,7}

SMART SCHOOLS BOND ACT AWARD		\$410,485
BID/CONSTRUCTION ITEMS - INFRASTRUCTURE/PATHWAYS		
VOIP/WAP PATHWAYS ⁴		\$125,000
A/V PATHWAYS AND POWER WIRING ⁵		\$10,000
	CONSTRUCTION SUBTOTAL	\$135,000
	DESIGN CONTINGENCY (15%)	\$20,250
	CONSTRUCTION CONTINGENCY (10%)	<u>\$13,500</u>
	CONSTRUCTION TOTAL	\$168,750
NYS CONTRACT ITEMS - VOIP, WAP, A/V EQUIPMENT/INSTALL/PROGRAMMING		
ANNESE VOIP EQUIPMENT AND COMMISSIONING ³		\$38,478
BRIDGEPOINT WAP EQUIPMENT AND COMMISSIONING ⁵		\$7,500
A/V CORPORATION EQUIPMENT AND COMMISSIONING ³		<u>\$51,700</u>
	NYS CONTRACT SUBTOTAL	\$97,678
	PROJECT CONSTRUCTION SUBTOTAL	\$266,428
	ESCALATION (2%) ⁶	\$5,329
	PROJECT PROPOSED SOFT COSTS ²	<u>\$44,180</u>
	PROJECT GRAND TOTAL	\$315,937
	REMAINING SSBA FUNDS	\$94,548

ESTIMATE NOTES / ASSUMPTIONS:

1. SCOPE OF WORK BASED ON OWNER / VENDOR DISCUSSIONS. DOES NOT INCLUDE DIRECT EQUIPMENT PURCHASES SUCH AS SMART TVs, NEW COMPUTERS, PRE-K INTERACTIVE TABLES, ETC.
2. PROJECT SOFT COSTS - ARCH/ENG FEES. DOES NOT INCLUDE DATA ROOM RELOCATION
ALSO DOES NOT INCLUDE ABATEMENT DESIGN OR AIR MONITORING
3. VENDOR BUDGET QUOTE, INCLUDES EQUIP, INSTALLATION, START UP, COMMISSIONING. EXCLUDES IP SPEAKERS
4. PRELIMINARY ESTIMATE PROVIDE BY BRIDGEPOINT COMMUNICATIONS
5. PRELIMINARY ESTIMATE BY AES
6. ASSUMES 2018 SPRING/SUMMER CONSTRUCTION
7. SCOPE OF WORK DOES NOT INCLUDE ASBESTOS ABATEMENT. SOME ABATEMENT IS ANTICIPATED, QTY UNKNOWN

DRAFT Run 9/15

Smart Schools Bond Act

Crown Point Central School

Overview

- ▶ In January 2014, Governor Andrew M. Cuomo called for New York State to invest **\$2 billion** in its schools through a Smart Schools Bond Act that will build out schools and classrooms for the 21st Century to ensure that our students graduate with the skills they need to thrive in the economy of today and tomorrow. Voters approved the Bond Act in November 2014.

- ▶ **Crown Point Central School Allocation \$410,485**

Smart Schools Commission

- ▶ *Under the leadership of Governor Cuomo, the Smart Schools Commission led a research effort into best practices into technology-enabled education and broadband connectivity efforts. In preparation for the Commission's final report that was released in Fall 2014, we invited local and national experts to present best practices for the Commission's consideration over the course of several months at public symposiums and Commission meetings.*

Purpose



- ▶ The purpose of the Smart Schools Bond Act is to improve learning and opportunity for public and nonpublic school students by funding capital projects to:
- ▶ 1. Install high-speed broadband or wireless internet connectivity for schools and communities;
- ▶ 2. Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;
- ▶ 3. Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers; and/or
- ▶ 4. Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls.

Investment Plan Options

- ▶ School Connectivity (Broadband and Wireless)
- ▶ Community Connectivity (Same as above)
- ▶ Classroom Learning Technology (equipment/devices)
- ▶ Pre-Kindergarten Programs
- ▶ Replacement of Classroom Trailers
- ▶ Installation of High-Tech Security Features

Allowable Expenditures

Categories of Eligible Capital Projects are defined as:

- ▶ Installing high-speed broadband or wireless internet connectivity for schools and communities;
- ▶ Acquiring learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;
- ▶ Constructing, enhancing, and modernizing educational facilities to accommodate pre-kindergarten programs and provide instructional space to replace classroom trailers; and
- ▶ Installing high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls.

Non-Allowable Expenditures

Examples of non-allowable expenditures include:

- ▶ Recurring costs associated with the use and maintenance of technology purchased. These costs will be the responsibility of the school district that owns the technology purchased. No operating expenses of the school district can be supported by these funds. Examples include Internet, email, phone, voice mail service, web hosting or webcasting.
- ▶ Expenses incurred prior to the date of the approval of the Smart Schools Investment Plan.
- ▶ Expenditures that are not consistent with Smart School Investment Plans, Instructional Technology Plans or approved capital plans for Smart Schools Bond Act projects.
- ▶ Capital improvements to facilities that are not district-owned or if the term of the lease for the leased property is shorter than probable useful life of the capital improvement as determined by the New York State Education Department's Office of Facilities Planning.
- ▶ Leased Equipment.

Review of CPCS Technology Assets

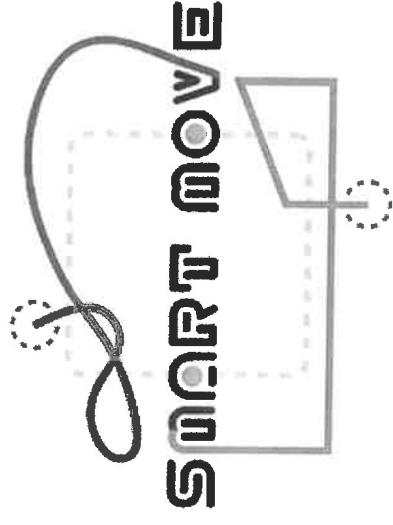
Category	Model	Yr	#
A	Op620	9	4
B	Op745	8	10
C	Op755	7	8
D	Op760	6	7
F	Op390	4	21
G	Op780	5	7
K	Op7010	2	61
L	Op3020	0	10

29 Desktops in current inventory over 5 yrs old

Review of CPCS Technology Assets

Desktops	123
Chromebooks	50
Ipads	43
Servers	7
Document Camera	7
Interactive WhiteBoards	11
Multi-Function Printers	5
Projectors	23
Scanners	5

Recent Upgrades



- ▶ CPCS was Smart before the Bond Act:

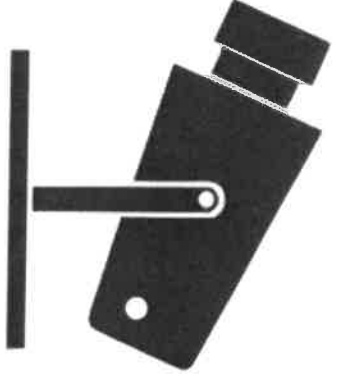
2013-14

- ▶ Wifi Project:

- ▶ Installed Wireless Access throughout school

- ▶ Security Project:

- ▶ Installed new security doors, cameras



Investment Areas ???

- ▶ No classroom trailers
- ▶ No enrollment growth in PreK to substantiate building of another classroom (State allows no more than 20 students)
- ▶ Installation of High-Tech Security Features

Investment Areas of Focus

- ▶ Emergency Communications System needed: Install new VOIP Phone system with Alert in every classroom and office
- ▶ Create Multi-function Tech Room (Auditorium)
- ▶ Enhance Technology available in Library
- ▶ Re-wire, Custom Finish Wiring/Access in each classroom and office's
- ▶ Install Flat Panel TV's in classrooms (some Interactive)

More Investment Areas of Focus

- ▶ Expand/Enhance Wi-Fi Availability
 - ▶ External Access Points (student / community use)
- ▶ Purchase Laptops, Desktops, Tablets
- ▶ Replace all Devices older than 5 years
- ▶ Network Cabling
- ▶ Increase Electrical Outlet support for devices

More Investment Areas of Focus

- ▶ Expand Security System to cover more areas
- ▶ Flat Panel at entrances showing Security Camera views and school information
- ▶ Create professional 3D printing facility
- ▶ Art, Music Tech Needs
- ▶ Other Tech Options

Overall Goals

- ▶ Enhance differentiated instruction and expand student learning beyond the classroom.
- ▶ Ensure equal access to these improved educational services and learning opportunities for students with disabilities and English language learners, if applicable, and should also contribute to the reduction of other learning gaps experienced within the district.
- ▶ Enhance ongoing communication with parents and other stakeholders.
- ▶ Leverage technology to facilitate regional partnerships, including distance learning, to provide additional technology-related learning opportunities for students.
- ▶ Expand wireless internet connectivity/Wi-Fi.
- ▶ Be consistent with the districts' short and long-term educational goals.

Next Steps

- ▶ Develop Smart Schools Investment Plan
 - ▶ Instructional Technology Plan
 - ▶ Vision and Goals
 - ▶ Meet needs of All Students
 - ▶ Adequate Tech Infrastructure
 - ▶ Required Budget Categories
 - ▶ Professional Development (District Responsibility)
 - ▶ Sustainability Plan (District Responsibility)
- ▶ Consultant Sean Brady, Prism Decision Systems

CPCS Vision Statement

Options

- ▶ Exploit technology to expand educational opportunities for all CPCS students
- ▶ Cultivate a supportive and collaborative learning environment for integrating technology
- ▶ Use technology in a balanced, responsible manner to become involved learners.
- ▶ Create opportunities for access and exchange of technological ideas
- ▶ Be inquisitive, open-minded learners who embrace technology tools

DRAFT ESTIMATES 9/15

Category	Proposed expenditures (written as a goal statement)	Estimated cost
Broadband/ Wireless	Additional Wi-Fi Access Points to increase bandwidth	\$ 5,000
	External Access Points	\$ 10,000
	Other	
Equipment/ Facilities	Multi-Function Tech Room (Auditorium)	\$ 52,000
	Projection screen-large, automatic \$10,000	
	High Definition Theater Projector \$10,000	
	Theater Sound System \$10,000	
	Media Center -microphone, DVD, Computer \$5,000	
	Seating solution \$17,000	
	LIBRARY—upgrades for student access	
	Electrical Outlet Expansion to support devices	\$ 2,500
	Smart TVs and interactive SmartTVs	\$ 20,000
	Upgrade Existing Ethernet in classrooms, terminations needed (Network Cabling)	\$ 20,000
	Replace Computers older than 5 years	\$ 125,000
	Purchase additional computing devices for student use	\$ 25,000
Hi-tech Security	Install Generator power for outages to run servers, switches and communication system	\$ 25,000
Pre-k	Install Emergency Communication System VOIP Phone System with Alert in classrooms/offices	\$ 25,000
	Enhance Tech Opportunities for Pre-K Students	\$ 15,000
Proposed expenditures Sub-Total		\$ 374,500

Proposed contingency goal statements		
Broadband/ Wireless	Other	\$ -
	Create 3D printing facility for Shop/Tech Classes	\$ 10,000
Equipment/ Facilities	Art / Music	\$ -
	Other Tech	\$ 25,985
Contingency Sub-Total		\$ 35,985
PROPOSED & CONTINGENCY EXPENDITURES FINAL TOTAL		\$ 410,485